



General Guideline for Medical Marijuana Operations

This guideline was created In accordance with City of Las Vegas Ordinance #6321 for the regulation of Medical Marijuana and other related matters.

NOTE: The items reflected in this guideline are informational only and subject to be modified depending on specific locations and processes. Additional requirements may apply.

General:

Any building, facility space or similar location that requires any construction, modifications or similar work that is associated with a proposed Medical Marijuana Cultivation (Grow), Production, or Dispensing facility shall obtain the appropriate construction permits for such work. All submittals shall be prepared by a licensed State of Nevada architect or design professional or other approved contractor(s) and shall be in compliance with City of Las Vegas Standards.

Cultivation/Grow Facility – CLV license type MM001

All facilities shall be in compliance with the State of Nevada Department of Agriculture and City of Las Vegas requirements for medical marijuana grow facilities. Such facilities are considered an F-1 Occupancy as classified by The International Building Code (IBC) Chapter 306.2.

Standards and / or codes utilized for such systems shall include but not be limited to:

- ASHARE 62-1989 Standard of ventilation levels (Determining fresh air and exhaust rates)
- City of Las Vegas Adopted Mechanical Code (2009 UMC)
- City of Las Vegas Adopted Building Code (2009 IBC)
- City of Las Vegas Adopted Fire Code (2012 IFC)

Items to be considered: (All or part may be required)

Water Quality/Pre-Treatment - Any CLV required Water Quality/Pre-Treatment Permits shall be obtained for any excess fertilizer, wastewater or storm water discharged from the facility.

Air Quality – Locations utilizing a boiler, Co2 enrichment or other means shall install appropriate scrubbers or other filtration systems as needed. A permit form the SNAQ shall be obtained prior to permit approval.

Solid Waste – Disposal of product shall be in compliance with the SNHD State of Nevada requirements. (Donna Houston @ 702-759-0549)

Hazardous Materials Waste Management – Pesticides, herbicides, hazardous materials, flammable, toxic, or other materials shall be in compliance with State of Nevada, Department of Transportation (DOT) , United States Code of Federal Regulation (CFR) and any State or Local codes or regulations for such material.

Combustible Dust Control – Any grinding, drying, silo storage or other processes that may create combustible dust may require specific electrical systems housekeeping and fire suppression.

Co2 enriched cultivation/grow facilities – All facilities utilizing a Co2 enrichment system(s) **shall** be provided with an approved hazardous level detection system. Such system shall be monitored off site for lower exposure level of 30,000 ppm. (*Based on NIOSH short term Exposure limits*). Audible and visible notification shall be provided throughout the facility upon alarm. Co2 alarm system control panel shall be located outside the area subject to enrichment.

Production Facility - CLV license type MM002

In accordance with CLV Ordinance # 6321 page 7 item 6, *“the use of any combustible solvent for distillation or extraction is prohibited.”*

The facility shall be constructed in accordance with the occupancy group for such production operations based on design criteria established by a licensed Fire Protection Engineer for such operations. Examples of items to be considered: Mechanical systems and ventilation, proper electrical systems for such conditions, fire protection systems, hazardous condition monitoring and control of materials creating a life or fire hazard.

Standards and or codes referenced for such systems shall be but not limited to:

- 2012 International Fire Code with CLV Adopted amendments
- 2012 International Building Code with CLV adopted amendments
- Adopted National Fire Protection Association (NFPA) standards
- Any other applicable standards including following all applicable fire, safety, and building codes for the use and storage of light hydrocarbons or other similar materials.

Approved Production/Extraction Process

High Pressure Co2:

The use of high pressure Co2 processing may be utilized using a commercially manufactured professional grade closed loop extraction system. The Co2 product used for such extraction shall be at a ninety-nine percent (99%) purity. A complete submittal of the product shall be submitted to City of Las Vegas Fire & Rescue Fire Protection Engineering for review and approval.

Standards and / or codes referenced for such systems shall include but not be limited to:

- American Society of Mechanical Engineers
- Society of Fire Protection Engineers
- American National Standards Institute (ANSI)
- Underwriters Laboratories (UL)
- American Society for Testing and Materials (ASTM)
- 2012 International Fire Code with CLV Adopted amendments
- Any other applicable standards including following all applicable fire, safety, and building codes for the use, handling the gas product.

Other Processing Methods:

Processing may also employ the use of heat, steam distillation, ice water or other methods that do not utilize solvents, or light hydrocarbons. Such systems and processes shall be submitted by and verified for fire and safety methodology by a State of Nevada licensed Fire Protection Engineer, and then submitted to the City of Las Vegas Fire Protection Engineering office for review and approval.

A complete Operation and Maintenance manual (O&M) shall be created for any and all processes for medical marijuana including Material Safety Data Sheets (MSDS). Manuals shall be reviewed by a State of Nevada Licensed Fire Protection engineer and then submitted to the City of Las Vegas Fire Protection Engineering office for review and approval.

A documented training manual shall be developed, reviewed by a State of Nevada Licensed Fire Protection engineer and then submitted to the City of Las Vegas Fire Protection Engineering office for review and approval.

Dispensary – CLV license type MM003

In accordance with City of Las Vegas Ordinance # 6321 pg. 5 item 6 *“Subject to the requirements of applicable building and fire codes, public access to the building shall be from one point of entry and exit, with no other access to the interior of the building permitted.”*

Use and occupancy of such facilities based on a Use and Occupancy classification of a Mercantile Occupancy, “M” International Building Code (IBC 309.1) or possibly a “B” if there is patient care and similar uses.

“Use of a building and or structure or portion thereof, for the display and sale of merchandise and involves stocks of good, wares or merchandise incidental to such purposes and accessible to the public. Mercantile occupancies shall include, but are not limited to, the following.:

- Department Stores
- Drug Stores
- Markets
- Motor fuel-dispensing facilities
- Retail or wholesale stores
- Sales rooms

If a change of use is to occur, such change shall be approved by Building & Safety with appropriate documentation. Associated items required for such use shall apply. *If the space is adjacent to processing and / or growing, additional requirements may apply.

Items to be considered:

Ventilation system – A system shall be installed to ensure that the odor from such location cannot be detected at the exterior of the facility. Confirm with Uniform Mechanical Code (UMC) for confirmation of rate of air changes required.

Means of egress – Means of egress have not been compromised by required security features.

Fire Protection features – Change of use including expansion may require the installation of a fire suppression system as required in IFC Chapter 901 and CLV adopted code.

Standards and / or codes referenced for such locations shall be but not limited to:

- 2012 International Fire Code with CLV Adopted amendments
- 2012 International Building Code with CLV adopted amendments
- Adopted National Fire Protection Association (NFPA) standards

General Building Guidelines:

- Cultivation/grow facilities shall comply with City of Las Vegas adopted fire and building codes Chapter 3 for Use and Occupancy for a Factory (**F-1**), moderate hazard occupancy.
- Dispensaries shall meet City of Las Vegas adopted fire and building codes Chapter 3 for the use and Occupancy for Mercantile (**M**) occupancy.
- Means of egress shall meet the requirements indicated in City of Las Vegas adopted fire and building codes Chapter 10.
- Any accessibility requirements shall meet the requirements indicated in City of Las Vegas adopted building code Chapter 11.
- Any fire protection systems based on use and occupancy shall be in accordance with City of Las Vegas adopted Fire and Building codes.
- Interior finishes shall comply with City of Las Vegas adopted fire and building codes chapter 8 for specific use and occupancy.
- Electrical requirements shall be in accordance with City of Las Vegas adopted electrical codes.
- Submittals shall be in accordance with City of Las Vegas adopted codes and standards.

NOTE: All Security items related to the dispensing, production and cultivation of medical marijuana and related products are not part of this document but shall be integrated as need to assure the safety of the operators and customers.